

WE CLAIM:

-1-

A method for inhibiting cyclooxygenase or prostaglandin H synthase enzymes which comprises:

providing at least one compound isolatable from a cherry with at least one of the enzymes to inhibit the enzymes.

-2-

A method for inhibiting cyclooxygenase or prostaglandin H synthase enzymes which comprises:

providing at least one bioflavonoid compound isolatable from a cherry with at least one of the enzymes to inhibit the enzymes.

-3-

The method of Claim 1 wherein the method is *in vitro*.

-4-

The method of Claim 1 wherein the method is *in vivo*.

-5-

The method of any one of Claims 1, 2, 3 or 4 wherein the compound is from a tart cherry.

-6-

The method of any one of Claims 1, 2, 3 or 4 wherein the compound is from a sweet cherry.

-24-

-7-

A method for inhibiting inflammation in a mammal which comprises:

5 administering at least one compound isolated from a cherry to the mammal to inhibit inflammation.

-8-

The method of Claim 7 wherein the mammal is human.

10

-9-

The method of any one of Claims 7 or 8 wherein the compound is from a tart cherry.

15

-10-

The method of Claim 7 wherein the compound is from a sweet cherry.

-11-

20

A method for inhibiting inflammation in a mammal which comprises:

administering at least one bioflavonoid compound isolatable from a cherry to the mammal to inhibit the inflammation.

25

-12-

The method of Claim 11 wherein the compound is from a tart cherry.

30

-13-

The method of Claim 11 wherein the compound is from a sweet cherry.

-14-

35

The method of Claim 11 wherein the mammal is human.

-25-

-15-

5 The method of Claim 1 wherein the compound is
contained in a composition which comprises a dried
mixture of isolated anthocyanins, bioflavonoids and
phenolics from cherries and a food grade carrier.

-16-

10 The method of Claim 15 wherein the carrier is
dried cherry pulp.

-17-

15 The method of Claim 15 wherein the ratio of
dried mixture to carrier is between about 0.1 to 100 and
100 to 0.1.

-18-

20 The method of any one of Claims 1, 2, 3 or 4
wherein the compound is incorporated into a food.

-19-

25 The method of Claim 7 wherein the compound is
incorporated into a food.

-20-

30 The method of Claim 11 wherein the
bioflavonoid is incorporated into a food.

-21-

35 A method for inhibiting inflammation in a
mammal which comprises:

administering anthocyanin including cyanidin
to the mammal to inhibit inflammation.

-22-

40 The method of Claim 21 wherein the anthocyanin
is isolated from a tart cherry.

-26-

-23-

The method of Claim 21 wherein the anthocyanin is isolated from a sweet cherry.

5

-24-

The method of Claim 21 wherein the mammal is human.

-25-

10

The method of any one of Claims 21, 22, 23 or 24 wherein the anthocyanin is incorporated into a food.

-26-

15

The method of Claim 21 wherein the anthocyanin is essentially pure.